

ABSTRACT

A sensor transmits and receives wireless signals at intervals. A sensor unit, a processor 130, a wireless transmitter circuit, and a wireless receiver circuit are activated in sequence only for a fixed time when the electric power generated by a generator circuit and charged in a capacitor reaches a preset level. Sensing information detected by the sensor unit is processed by the processor circuit and, information on the number of receivable bytes is added to the processing results in the wireless receiver circuit. This added information is sent as sensor information to the wireless host from the wireless transmitting circuit, and the wireless receiver circuit that activated after the wireless transmitter circuit was activated, receives a control information signal from the wireless host. This received information is processed in the processor circuit.